
VML COMMANDS V3 (10/7/08)

NAME

vml – Virtual Machine Logbook

SYNOPSIS

vml [vml_options] vml_command [command_options] [command_arguments]

VML OPTIONS

-H [--help]

Display usage information about the VML

--help-commands

Display usage information about the VML command

VML COMMANDS

Here are brief descriptions of all the VML commands:

consult [entry_name]

Display the content of the repositories. If an entry_name is specified, display all the information about this entry.

```
example% vml consult
example% vml consult entry1
```

save [options] source entry_name [repository_name]

Save a source into the repository by creating a new entry. If repository_name is given, VML will save the entry in this directory, otherwise the default repository will be used. The source can be a full virtual machine descriptor path, a working area name or the name of an entry that's running into a working area. The entry created will be saved with the name 'entry_name'.

Options:

-l LOG, --log=LOG	this options allow to save a log message with the entry
-i, --incremental	Specify the incremental backup mode
-d, --differential	Specify the differential backup mode
-f, --full	Specify the full backup mode
-e, --environment	Specify the environment backup mode

The options 'idfe' are mutually exclusive

```
example% vml save /vm/cernVM_07.vmx my_experiment
example% vml save -d /var/vmware/cernVM_07.vmx my_exp2 -l "my log"
```

```
example% vml save -f wa1 entry1 -l "my log message"
```

open entry working_area

open the specified entry from the local repository in the entry's vm folder. If a destination path is specified, the entry will be open in this directory

```
example% vml open atlas_exp3
example% vml open atlas_exp2 /tmp/vm
```

delete entries...

Remove the entries specified from the local repository.

```
example% vml delete experience_080808
example% vml delete exp_cernVM_07 exp_cernVM_08
```

export [-f,--full] entry destination_path

Export the local entry as a tarball into the destination_path. If the option -f is given, vml will export the entry with all its dependency in order to make the entry self-contain.

```
example% vml export experience_080808 $HOME
example% vml export experience_080808 electra.lbl.gov/experience
example% vml export -f entry3 /tmp
```

import [options] source_file entry_name

Import the entry represented by the file into the repository. Source_file can be either in the vml export format '.vml' or a tarball '.tar.gz' who contain a full virtual machine.

The options are:

-o WA, --open=WA	open the entry after importation in the working area WA
-l LOG, --log=LOG	add a log message to the imported entry

```
example% vml import $HOME/atlasentry0.9.vml my_exp1
example% vml import -o wa1 /tmp/atlasExp.vml my_exp2
```

get-cernvm [options] [destination_path]

download the latest CernVM release to the destination_path. If no destination_path is defined VML will store the file into the default destination path. The options permitted with 'vml get-cernvm' are:

-i NAME, --import=NAME	when downloading is done, import the entry into the local repository with the given name.
-o NAME, --open=NAME, -io NAME	when downloading is done, import the entry into the local repository with the given name and then open it.
-v VERSION, --version=VERSION	VML will download the CernVM according to the version specified

```
example% vml get-cernvm /var/vmware/vm
example% vml get-cernvm -v 0.7 -o my_experience /var/vmware/vm
```

get [options] -r source_file [destination_path]

Download the entry from a remote repository. If no destination_path is defined VML will store the file into the default destination path. The options permitted with 'vml get' are:

- i NAME, --import= NAME
when downloading is done, import the entry into the local repository with the given name.
- o NAME, --open= NAME, -io NAME
when downloading is done, import the entry into the local repository with the given name and then open it.

```
example% vml get -r electra.lbl.gov/experience_080808.tar.gz $HOME/VMs
example% vml get -I my_exp -r electra.lbl.gov/atlas_exp3.tar.gz
example% vml get -o cern08 -r electra.lbl.gov/CernVM_08.tar.gz $HOME
```

wadd [-D, --Default] working_area_name working_area_path

Add a new working area to vml. Use the flag -D to make use it as default.

```
example% vml wadd wa1 /tmp/wa1
example% vml wadd -D wa2 /tmp/wa2
```

radd [-D, --Default] working_area_name working_area_path

Add a new repository to vml. Use the flag -D to make use it as default.

```
example% vml radd rep1 /tmp/rep1
example% vml radd -D rep2 /tmp/rep2
```

wdelete working_area_name

Delete the working area 'working_area_name' from vml.

```
example% vml wdelete wa1
```

rdelete repository_name

Delete the repository 'repository_name' from vml.

```
example% vml rdelete rep1
```

wdefault working_area_name

Set the working area 'working_area_name' as the default working area into vml.

```
example% vml wdefault wa1
```

rdefault repository_name

Set the repository 'repository_name' as the default the working area from vml.



```
example% vml rdefault rep1
```

setup

Start the setup wizard of VML in order to configure the working area and the repository

```
example% vml setup
```